ORDER NO. MD0512474C1
A1

Service Manual

Speaker System

SB-PS40P

Colour
(S)... Silver Type

SB-PS40

SPECIFICATIONS

Specification

Type	1 way, 1 speaker (Bass-ref.)
Speaker unit	Impedance 4
Full range	6.5 cm (2-1/2") Cone type x 1
Input power (IEC)	90 W (Max)
Output sound pressure level	81 dB/W (1.0 m)
Frequency range	78 Hz - 50 kHz (-16 dB)
	90 Hz - 45 kHz (-10 dB)
Dimensions (W x H x D)	92 mm x 135 mm x 95.4 mm
	3-5/8" x 10-5/8" x 3-3/4"
Mass	0.6 kg (1.3 lb.)

Notes :

1. Specifications are subject to change without notice. / Mass and dimensions are approximate.
2. Total harmonic distortion is measured by the digital spectrum analyzer.

■ System : SC-HT40P-S	Music Center : SA-HT40P-S
	Front Speaker : SB-PF40P-S
	Surround Speaker : SB-PS40P-S
	Center Speaker : SB-PC40P-S
	Subwoofer : SB-W40P-S
■ System : SC-HT40PC-S	Music Center : SA-HT40PC-S
	Front Speaker : SB-PF40P-S
	Surround Speaker : SB-PS40P-S
	Center Speaker : SB-PC40P-S
	Subwoofer : SB-W40P-S

System	SC-HT40P/PC-S
Music Center System	SA-HT40P/PC-S
[illegible]	[illegible]

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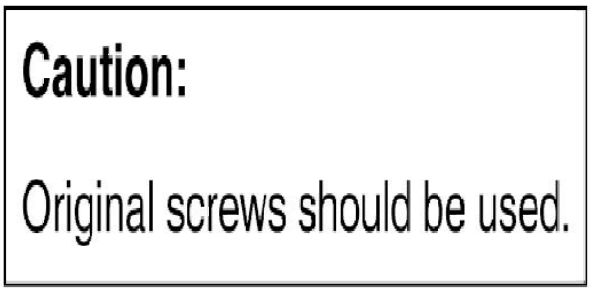
1. Assembling and Disassembling

“ATTENTION SERVICER”
Some chassis components may have sharp edges. Be careful when disassembling and servicing.

1. **This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.**
2. **For reassembly after operation checks or replacement, reverse the respective procedures.**
   Special reassembly procedures are described only when required.
3. **Select items from the following index when checks or replacement are required.**
4. **Refer to the Parts No. on the page of “Parts Location and Replacement Parts List” (Section 5), if necessary.**

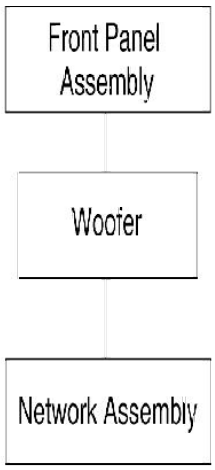


Below is the list of disassembly sections

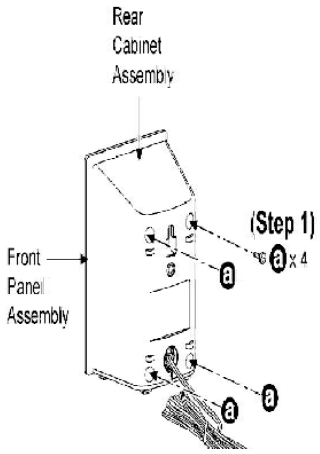
- **Disassembly of Front Panel Assembly**
- **Disassembly of Woofer**
- **Disassembly of Network Assembly**

1.1. Disassembly flow chart

The following chart is the procedure for disassembling the casing and inside parts for internal inspection when carrying out the servicing.
To assemble the unit, reverse the steps shown in the chart as below.



1.2. Disassembly of Front Panel Assembly



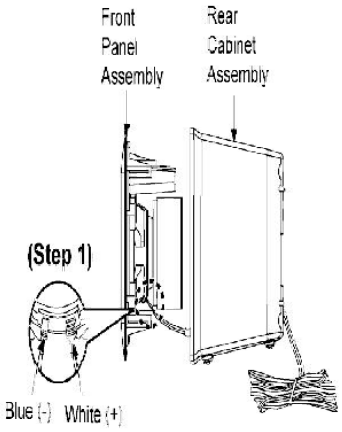
Step 1: Remove 4 screws from the Rear Cabinet Assembly.

Step 2: Insert an Allen key into the top hole of the Rear Cabinet Assembly and push the Front Panel

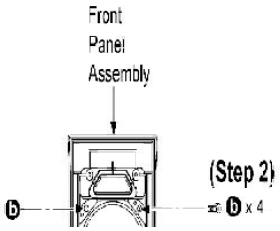
Assembly as arrow shown.

1.3. Disassembly of Woofer

Follow (step 1) to (step 2) of Item 1.2.



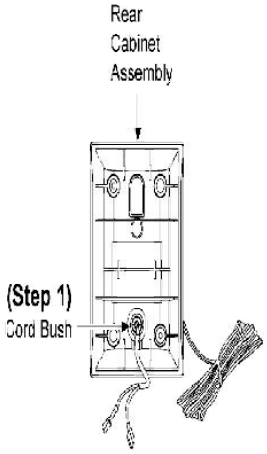
Step 1: Detach the (+) white and (-) blue wires from the Woofer.



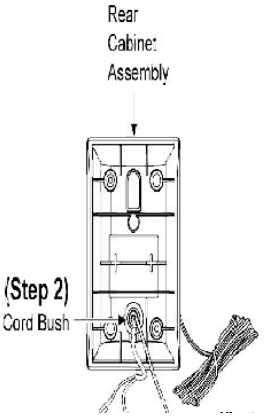
Step 2: Remove 4 screws from the Woofer.

1.4. Disassembly of Network Assembly

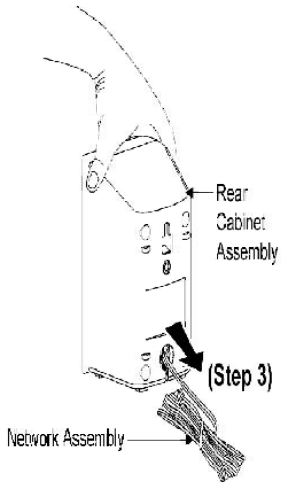
Follow (step 1) to (step 2) of Item 1.2.
Follow (step 1) of Item 1.3.



Step 1: Remove glue from Cord Bush.



Step 2: Remove Cord Bush by pushing out with the Allen key.



Step 3: Hold the Rear Cabinet Assembly and remove the Network Assembly as arrow shown.

2. Connection of the Speaker Cables

- Be sure to connect speaker cables before connecting the AC power supply cord.

- The load impedance of any speaker used with this unit must be 4 .

- Be sure to connect the cable from the right speaker to the right terminal and the cable from the left speaker to the left terminal.

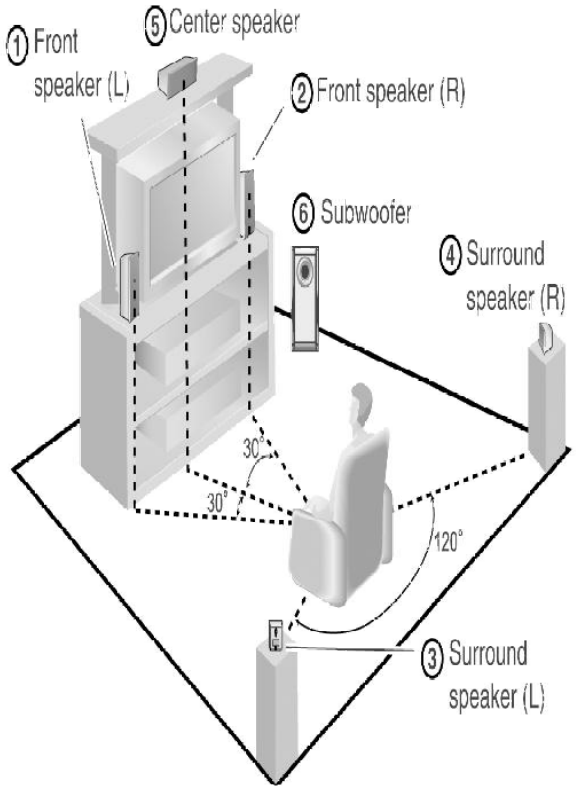
1. Strip off the outer covering, and twist the center conductor. Make sure the bare ends of the wires are not unravelled. (If they are, twist them tight again.)

2. Insert the wire to the rear panel of the unit and close the lever.

Notes :

- To prevent damage to circuitry, never short-circuit positive (+) and negative (-) speaker wires.

- Be sure to connect only positive (white) wires to positive (+) terminals and negative (blue) wires to negative (-) terminals.
Incorrect connection can damage the speakers.



Positioning for best effect
How you set up your speakers can affect the bass and the sound field.
Note the following points.

- Place the speakers on flat secure bases.

- Placing speakers too close to floors, walls, and corners can result in excessive bass. Cover walls and windows with a thick curtain.

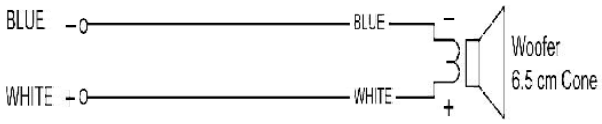
Note
Keep your speakers at least 10 mm (13/32") from the system for proper ventilation.
Place the front, center, and surround speakers at approximately the same distance from the seating position. The angles in the diagram are approximate.
Front speakers (left, right)
Place on the left and right of the TV at seated ear height so that there is good coherency between the picture and sound.
Center speaker
Place underneath or above the center of the TV. Aim the speaker at the seating area.
Surround speakers (left, right)
Place on the side of or slightly behind the seating area, higher than ear level.
Subwoofer
The subwoofer can be placed in any position as long as it is at a reasonable distance from the TV.
Note that some experimentation can yield the smoothest low frequency performance. Placement near a

corner can increase the apparent output level, but can result in unnatural bass.

Caution

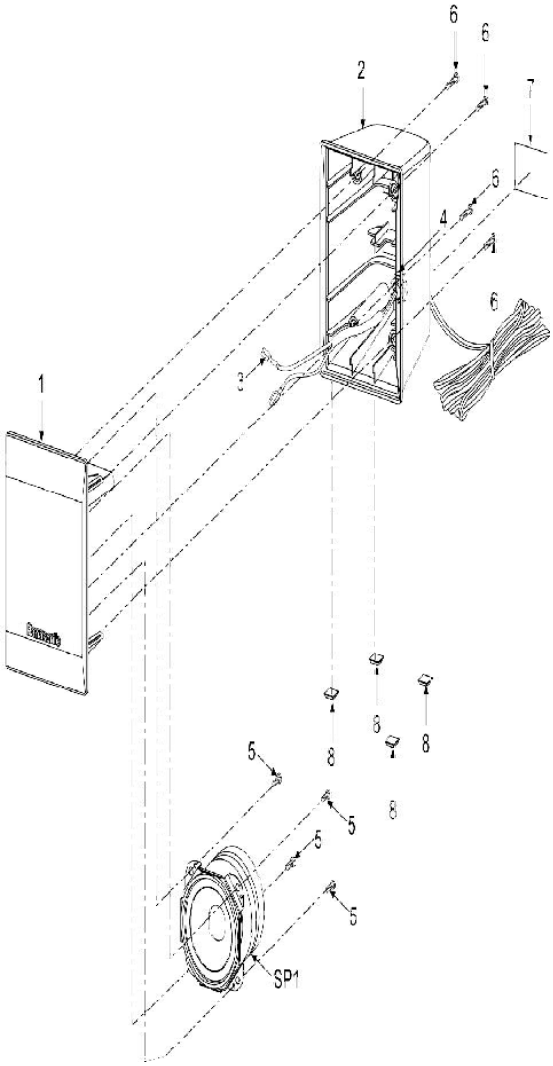
- The main unit and supplied speakers are only to be used as indicated in this manual. Failure to do so may lead to damage to the receiver and/or the speakers, and may result in the risk or fire. Consult a qualified service person if damage has occurred or if you experience a sudden change in performance.
- Do not attempt to attach these speakers to walls using methods other than those described in this manual.

3. Connection of Wiring Diagram



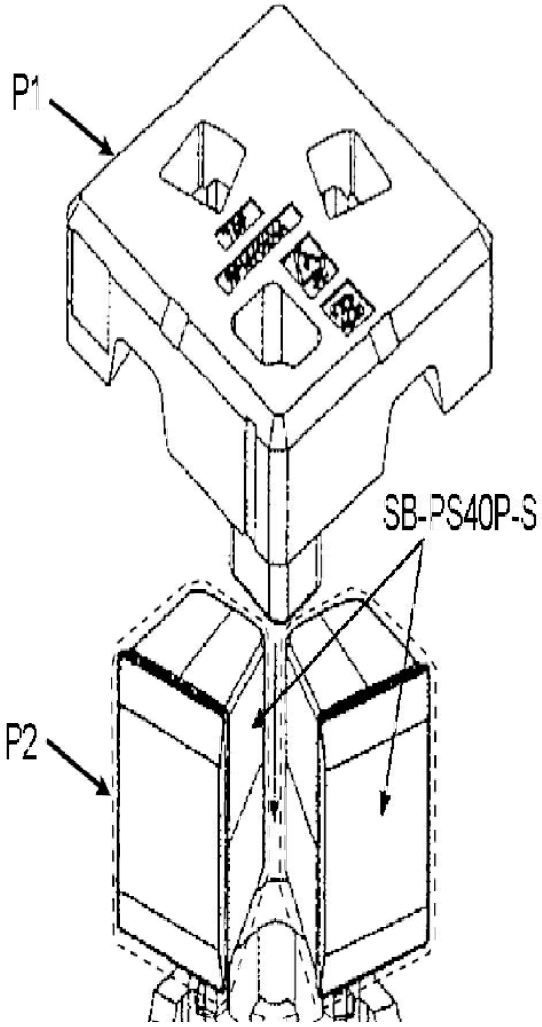
4. Exploded view

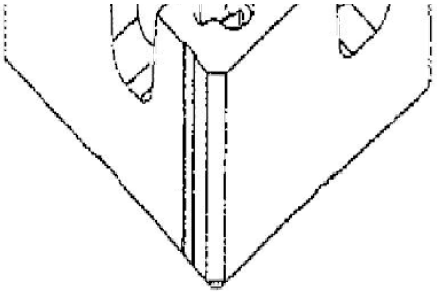
4.1. Cabinet Parts Location



4.2. Packaging

Note: The diagram below shows the packaging for SB-FSC40P-S.


P1
SB-PS40P-S
P2



SB-FSC40P-S consists of SB-PF40P-S (x2), SB-PS40P-S (x2) & SB-PC40P-S (x1).

5. Replacement Parts List

Notes :

- Important safety notice :

When replacing any of these components, be sure to use only manufacturer's specified parts shown in the parts list.

- [M] markings in the Remarks columns indicates parts supplied by PAVCSG.

Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS	
1	RYPV0140	FRONT PANEL ASS'Y	[M]
2	RYKV0075	REAR CABINET ASS'Y	[M]
3	REEV0110	NETWORK ASS'Y	[M]
4	RGQ0259-K	CORD BUSH	[M]
5	XTB3+10GFN	SCREW	[M]
6	XTB3+12GFN	SCREW	[M]
7	RGNV0184-S	SPEC LABEL	[M]
8	RKA0072-KJ	LEG CUSHION	[M]
		PACKING MATERIALS	
P1	RPNV0101	POLYFOAM	[M]
P2	RPFV0060	MIRAMAT	[M]
		SPEAKER	
SP1	EAS65P129A	WOOFER	[M]

FLE0512W/S